

Logic Cube

PC-BASED LOGIC ANALYZER LAP-C SERIES



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Protocol Analyzer Module : ZEROPLUS features include the decoding of 54 different bus protocols from multi-media, automotive, IC interface, Memory to PC system and protocols including I2C, UART, SPI, 1-WIRE, CAN, etc. We can also provide customized protocol decoding.

Oscilloscope Connectivity : Logic Cube has been designed to work with an oscilloscope to enable both analog and digital signals to be captured.

Programmable Trigger : User defined trigger condition and setting mode in both serial signal, parallel signal and trigger delay functions.

PC-Based interface : The ZEROPLUS logic has a Start button to commence sampling, and connects to a PC via fast USB v2.0 (v1.1 compatible) interface. 98SE/ME/2000/XP/VISTA compatible.

Extending Channel Capture : Logic analyzers may be linked to increase both capture memory and the number of channels.

Data Compression : The ZEROPLUS incorporates a sophisticated compression algorithm which enables more data to be captured without loss of any information.

Filtration : Captured data may be filtered to economise on capture memory. This allows the user to store only the data they need.

New Version : 2009 new version features include waveform zoom, data width automatic demonstration mode, fast demonstration full page pattern mode, data comparison demonstration mode etc.

Logic Cube Specification

Product model		LAP-C(16032)	LAP-C(16064)	LAP-C(16128)	LAP-C(32128)	LAP-C(321000)	LAP-C(322000)	
Operating System		Windows						
		98SE/ME/2000/XP/Vista						
Interface		USB2.0(1.1)						
Sample Rate	Internal Clock (Timing Mode)	100Hz~100MHz	100Hz~100MHz	100Hz~200MHz	100Hz~200MHz	100Hz~200MHz	100Hz~200MHz	
	External Clock (State Mode)	75MHz	75MHz	100MHz	100MHz	100MHz	100MHz	
Threshold Voltages	Bandwidth	75MHz	75MHz	75MHz	75MHz	75MHz	75MHz	
	Working Range	-6V~+6V	-6V~+6V	-6V~+6V	-6V~+6V	-6V~+6V	-6V~+6V	
Memory	Accuracy	±0.1V	±0.1V	±0.1V	±0.1V	±0.1V	±0.1V	
	Memory	512Kbits	1Mbits	4Mbits	4Mbits	32Mbits	64Mbits	
Memory	Depth (Per Channel)	32Kbits (Max 8Mbits for Compression)	64Kbits (Max 16Mbits for Compression)	128Kbits (Max 32Mbits for Compression)	128Kbits (Max 32Mbits for Compression)	1Mbits (Max 255Mbits for Compression)	2Mbits (Max 512Mbits for Compression)	
	Condition	Pattern/Edge	Pattern/Edge	Pattern/Edge	Pattern/Edge	Pattern/Edge	Pattern/Edge	
Trigger	Trigger Channel	16CH	16CH	16CH	32CH	32CH	32CH	
	Pre/Post Trigger	YES	YES	YES	YES	YES	YES	
	Trigger Level	1 Level	1 Level	1 Level	1 Level	1 Level	1 Level	
	Trigger Count	1~65535	1~65535	1~65535	1~65535	1~65535	1~65535	
Software Functions	Data Compression	Max. 8Mbits	Max. 16Mbits	Max. 32Mbits	Max. 32Mbits	Max. 255Mbits	Max. 512Mbits	
	Time Base Range	5ps~10Ms						
	Vertical Sizing	1~5.5						
	Operating Interface Language	Chinese (Simplified/Traditional) English						
	Max Trigger Page	8192 Pages						
	Width Display	✓						
	Filter Delay	✓						
	Trigger Delay	✓						
	Infinite Increase Spacer Bar	✓						
	Automatic Zoom In of Spacer Bar	✓						
	Automatic Software Upgrade	✓						
	Data Range Selectable	✓						
	Statistic	✓						
	Bus Inquiry and Counter	✓						
	Filter Bar	✓						
	Protocol Analyzer Plug-In	✓						
	Protocol packet list	✓						
Protocol Packet Trigger	X						✓	
Pulse Width Trigger Module		Option						✓
Phase Errors		<1.5ns						
Power	Power	USB (DC 5V, 500mA)						
	Power at rest	1W						
	Power at work	2W						
Maximum Input Voltage		±30V						
Impedance		500K Ω/10pF						
Safety Certification		FCC / CE / WEEE / RoHS						
Product Dimension		92mm*125mm*25mm						
Standard Accessories	Test Cable	8pin*2 / 2pin*1 / 1pin*1			16pin*1 / 8pin*2 / 2pin*1 / 1pin*1			
	Probe (Testing Hook)	2 pieces	20 pieces/package			36 pieces/package		
	USB Cable	1						
	Driver CD	1						
	Installation Guide	X	1					
Portable bag	X	1						

Logic Cube Standard Accessories



Pulse Width Trigger Module



The additional pulse width trigger module could upgrade logic analyzer pulse width trigger capability.

Accessories Contents

- Pulse Width Trigger Module *1
- Test Cable (7pins)*1
- Test Cable (2pins)*1
- User Guide *1

5.4cm(L) * 4.5cm(W) * 1.8cm(H) 50g

